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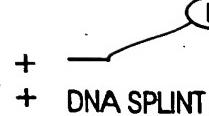
Fig. 1A



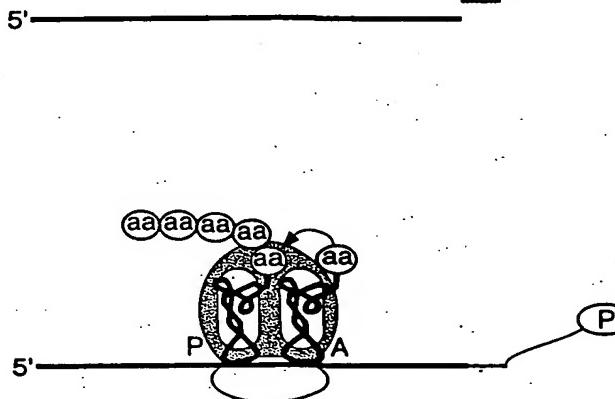
Fig. 1B

PUROMYCIN-TETHERED OLIGO IS LIGATED TO mRNA (GENERATED FROM ABOVE CONSTRUCT) IN THE PRESENCE OF A SPLINT AND DNA LIGASE

NOTE: FOR SHORT ORFs, THIS WHOLE TEMPLATE CAN BE MADE SYNTHETICALLY



DNA LIGASE



IN VITRO TRANSLATION PROCEEDS NORMALLY FROM THE 5' TO THE 3' END OF THE mRNA

Fig. 1C

COVALENTLY LINKED PUROMYCIN ENTERS THE A SITE AND ATTACKS PEPTIDYL tRNA IN P SITE



RELEASE OF RNA-PROTEIN FUSION WITH HIGH SALT WASH OF RIBOSOME



Title: SELECTION OF PROTEINS USING RNA-PROTEIN FUSION

Applicant(s): Szostak et al.

Filing Date: January 26, 2004 Serial No.: not yet assigned

Page 1 of 20

Customer No.: 21559

## GENERALIZED PROTOCOL FOR SELECTION EXPERIMENTS

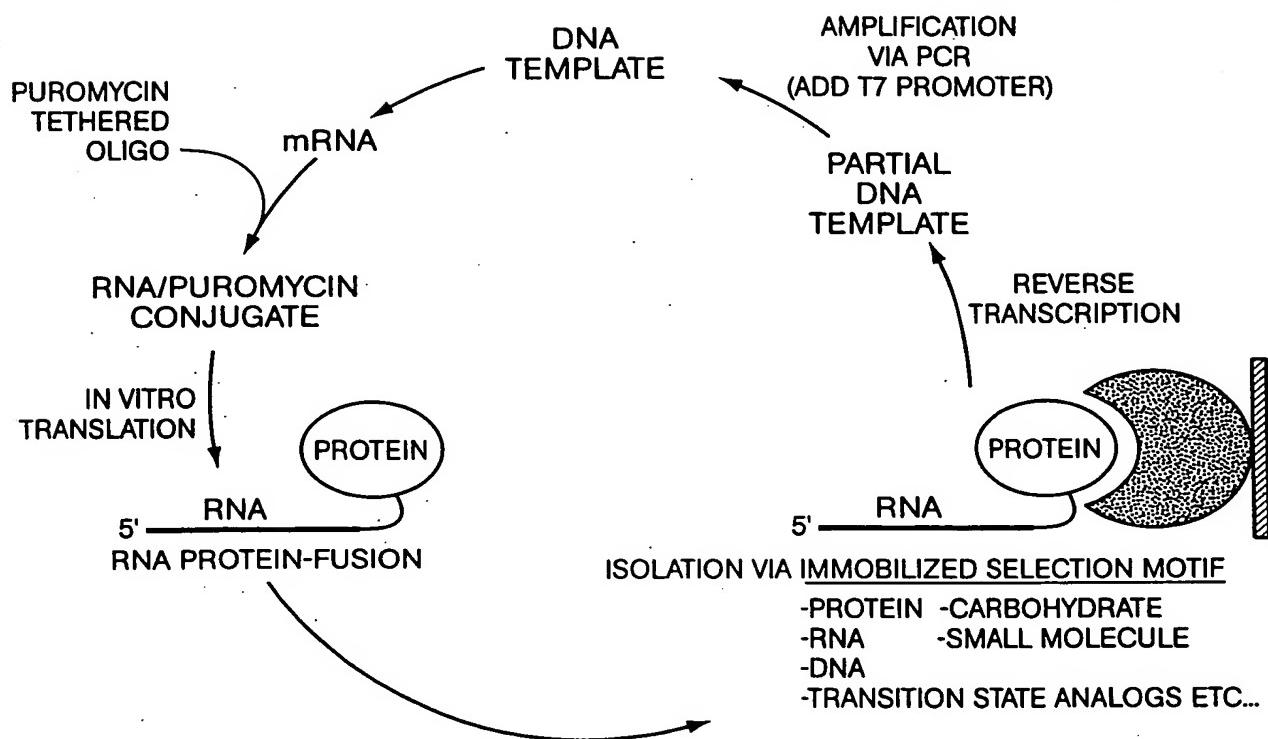


Fig. 2

Title: SELECTION OF PROTEINS USING RNA-PROTEIN FUSION

Applicant(s): Szostak et al.

Filing Date: January 26, 2004 Serial No.: not yet assigned

Page 2 of 20

Customer No.: 21559

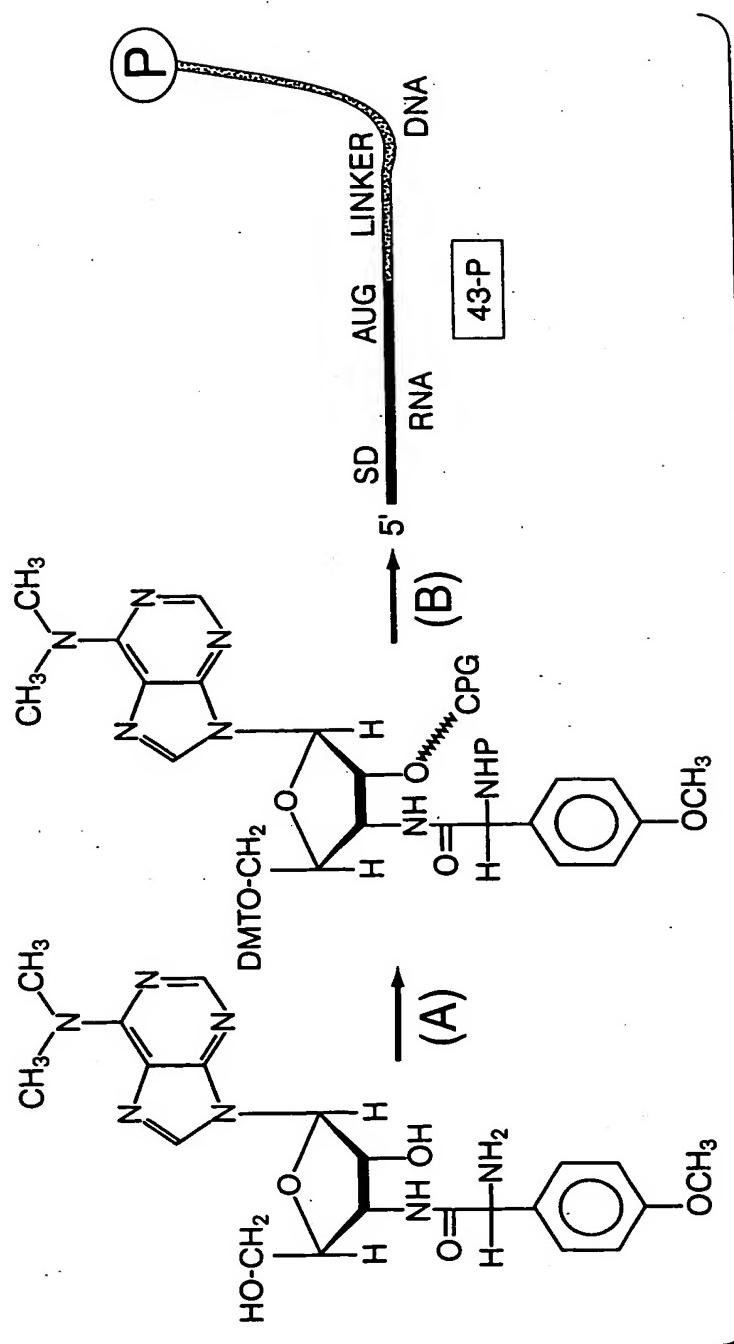


Fig. 3

Title: SELECTION OF PROTEINS USING RNA-PROTEIN

FUSION

Applicant(s): Szostak et al.

Filing Date: January 26, 2004 Serial No.: not yet assigned

Page 3 of 20 Customer No.: 21559

4/20

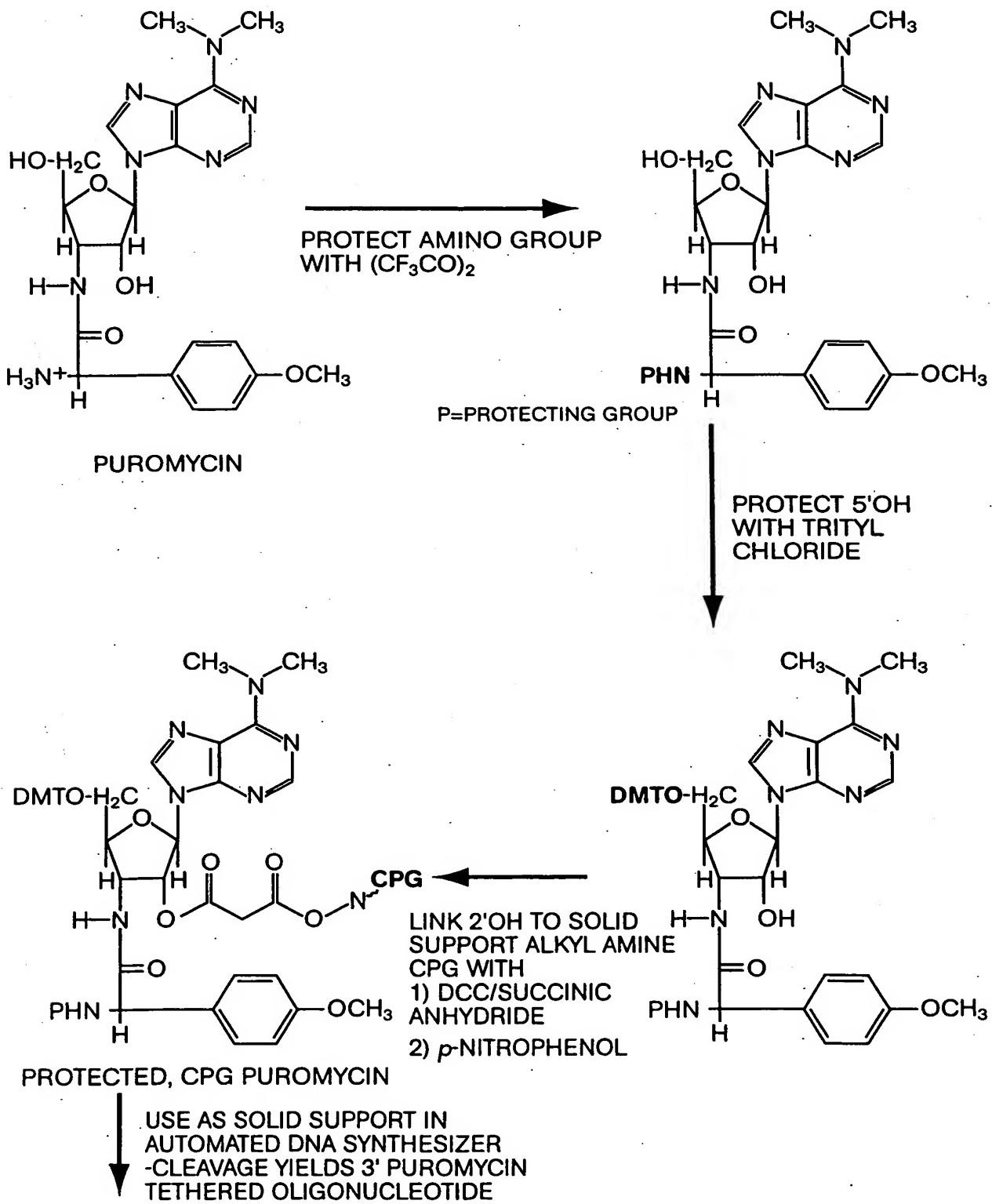


Fig. 4

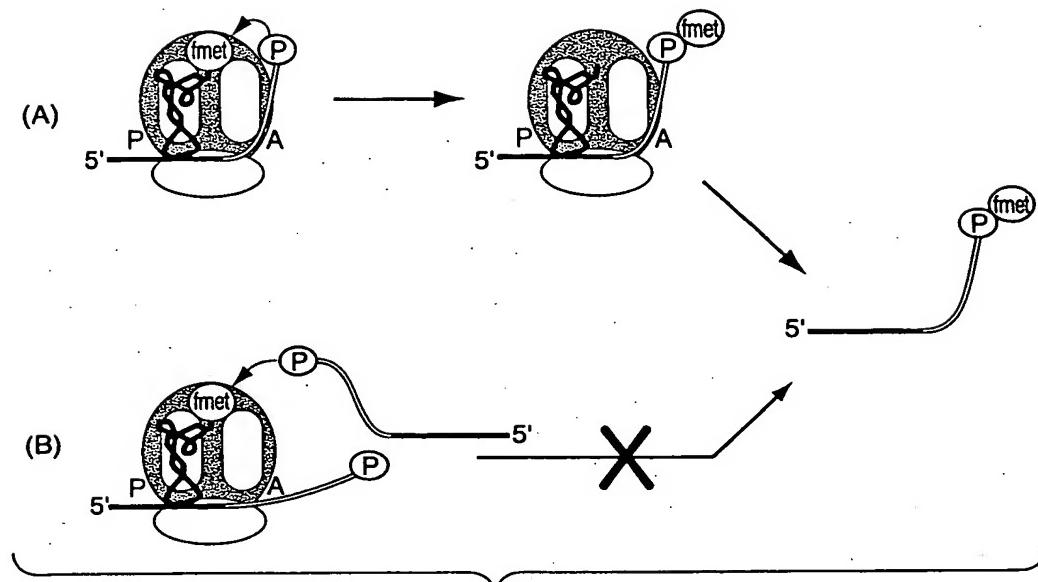


Fig. 5

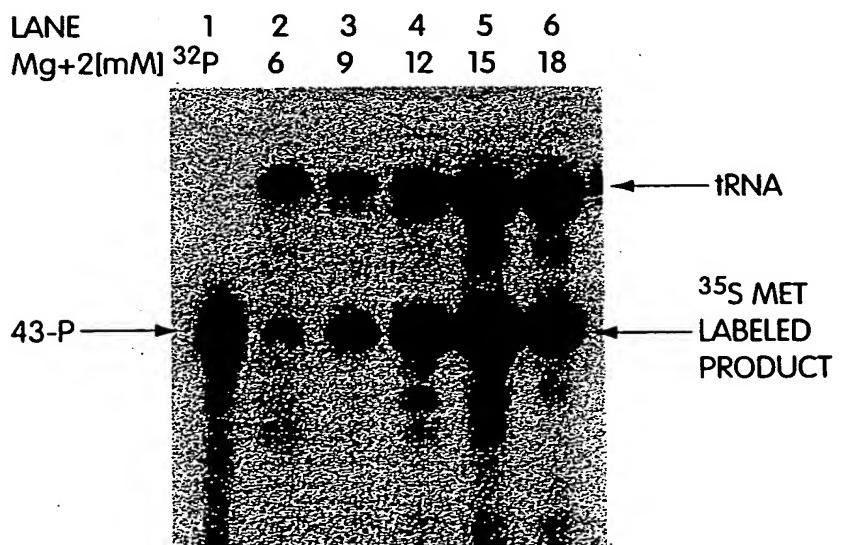


Fig. 6A

Title: SELECTION OF PROTEINS USING RNA-PROTEIN FUSION

Applicant(s): Szostak et al.

Filing Date: January 26, 2004 Serial No.: not yet assigned

Page 5 of 20

Customer No.: 21559

6/20

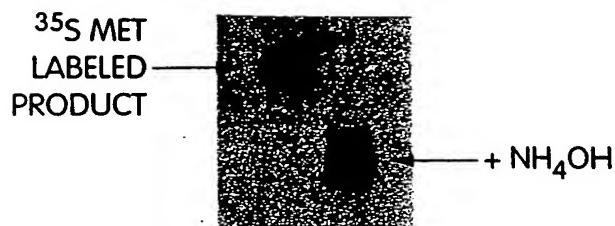


Fig. 6B

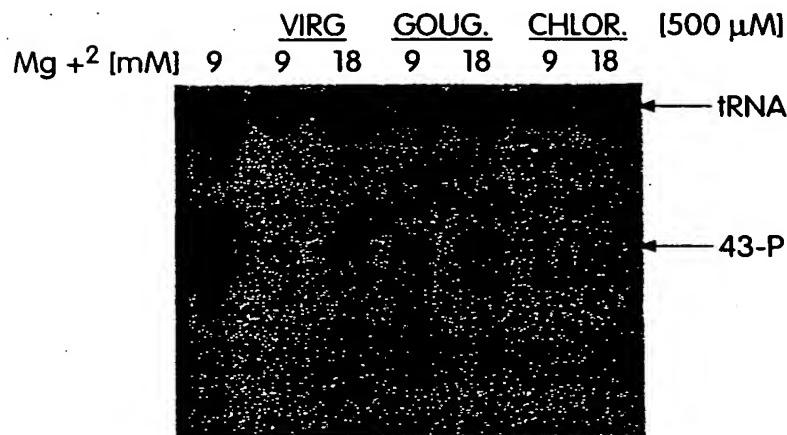


Fig. 6C

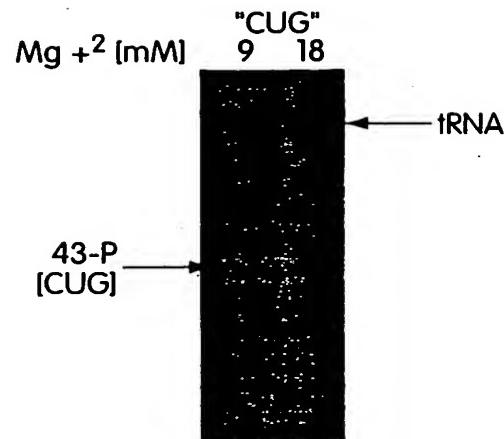


Fig. 6D

7/20

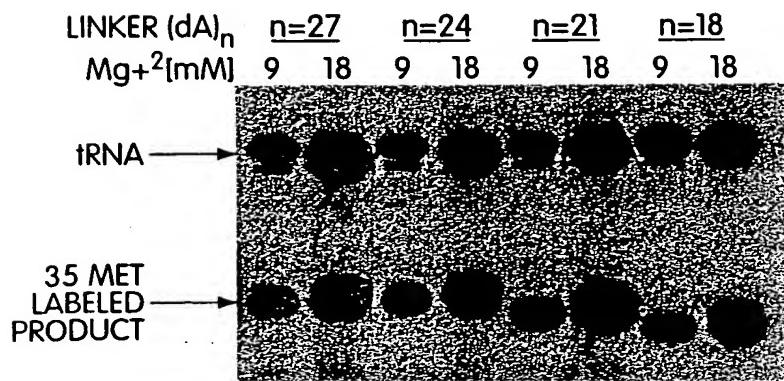


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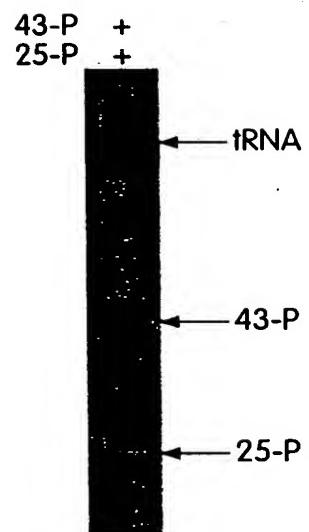


Fig. 6F

8/20

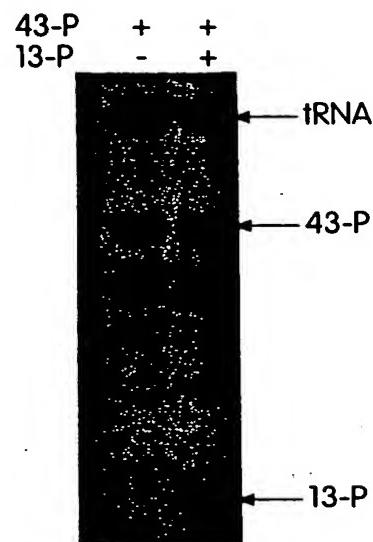


Fig. 6G

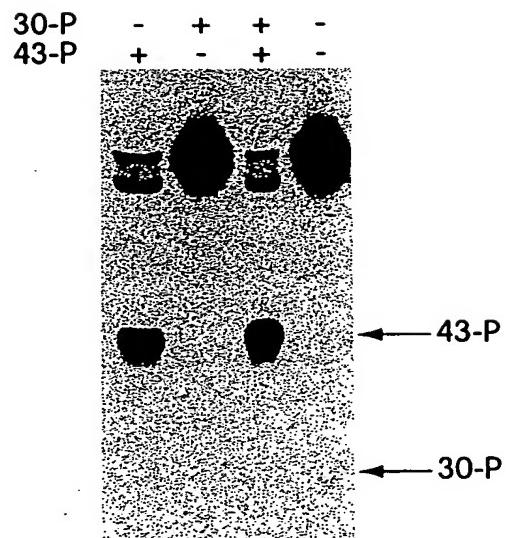


Fig. 6H

9/20

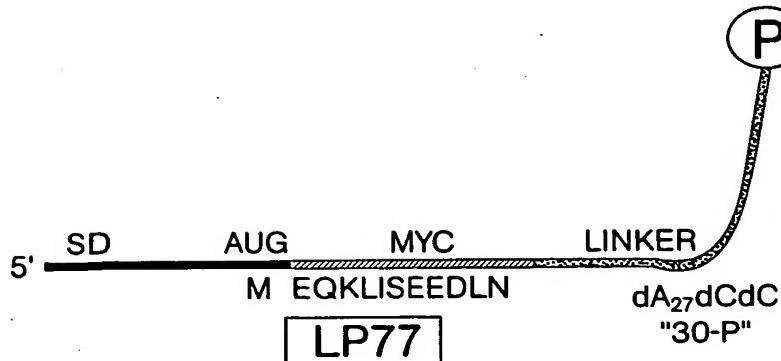


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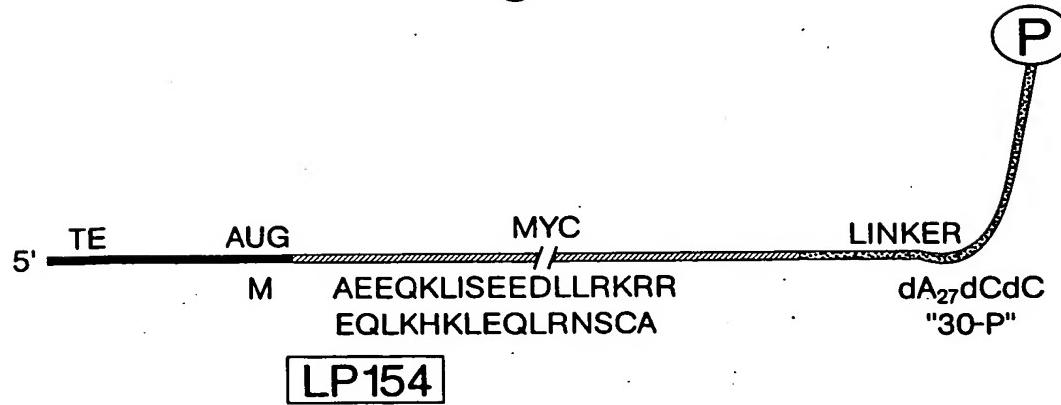


Fig. 7B

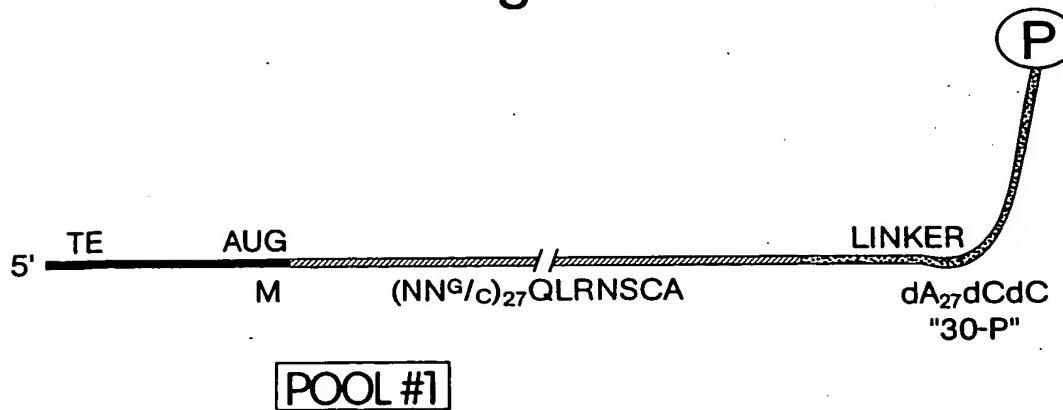


Fig. 7C

10/20

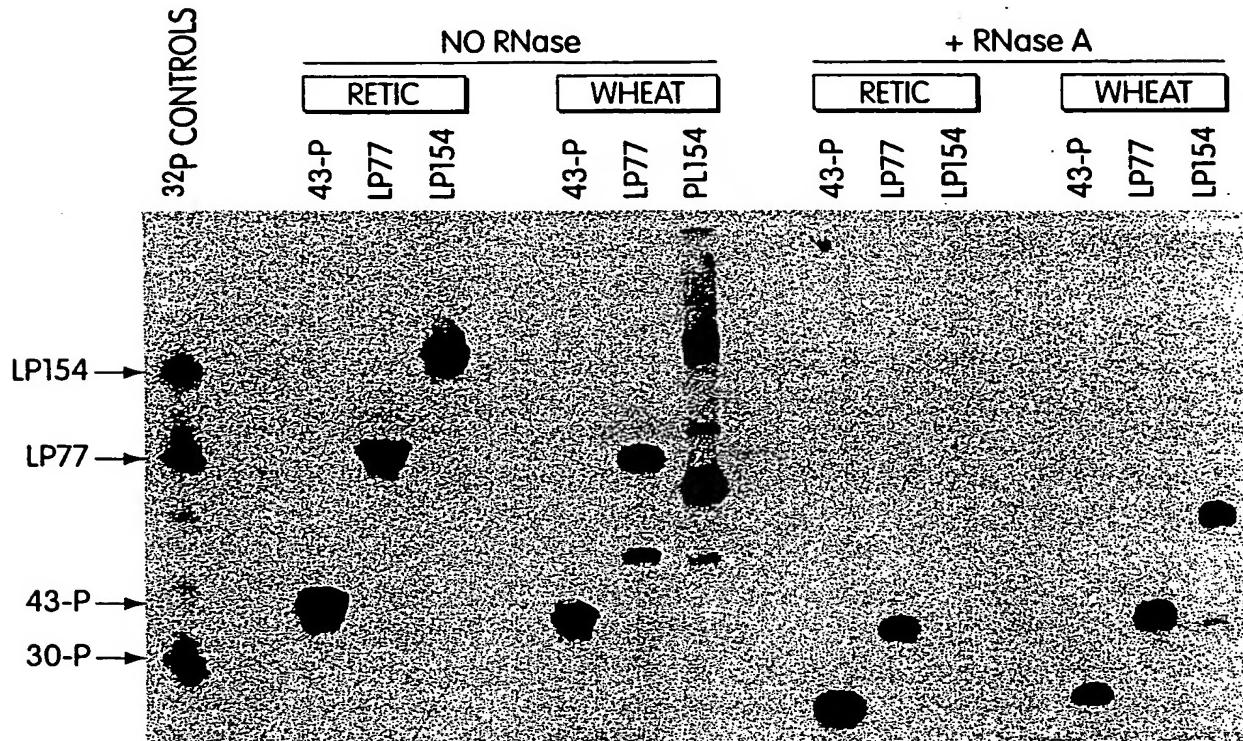


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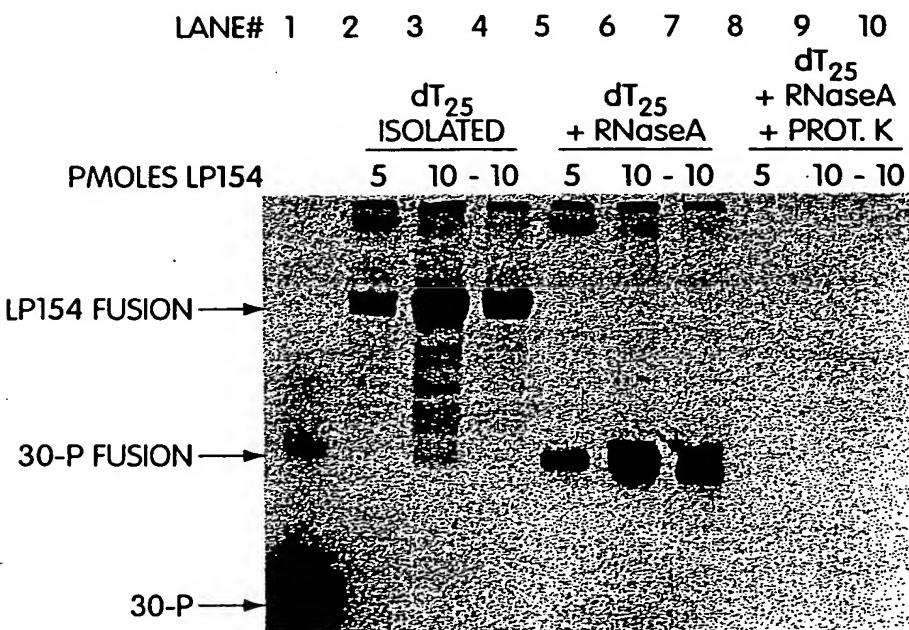


Fig. 9

11/20

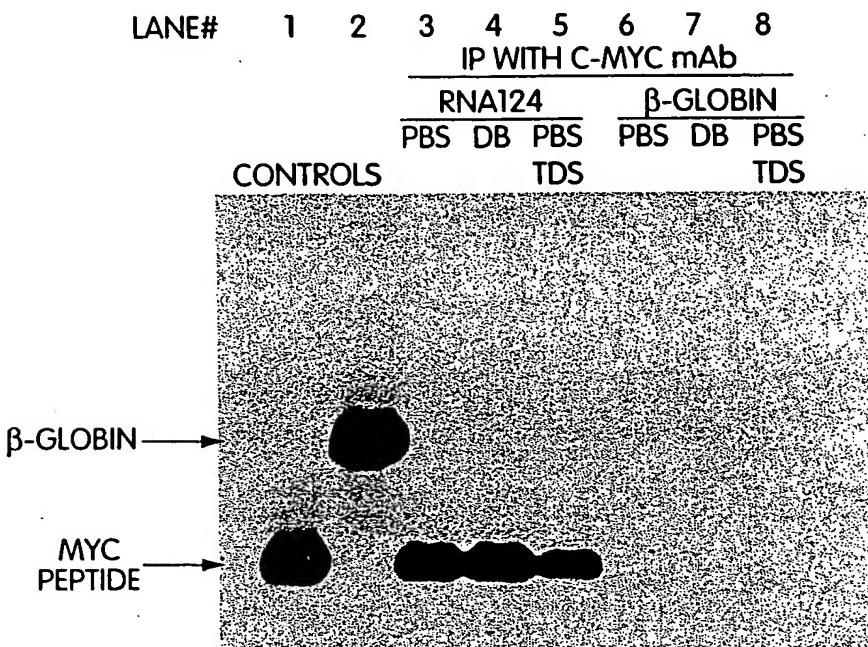


Fig. 10

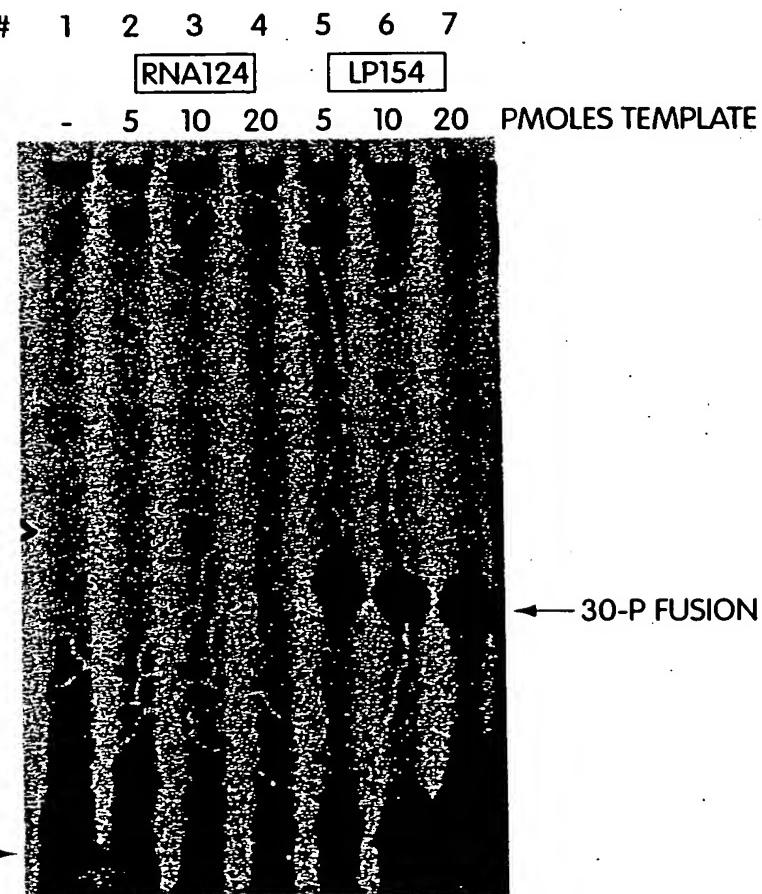


Fig. 11

12/20

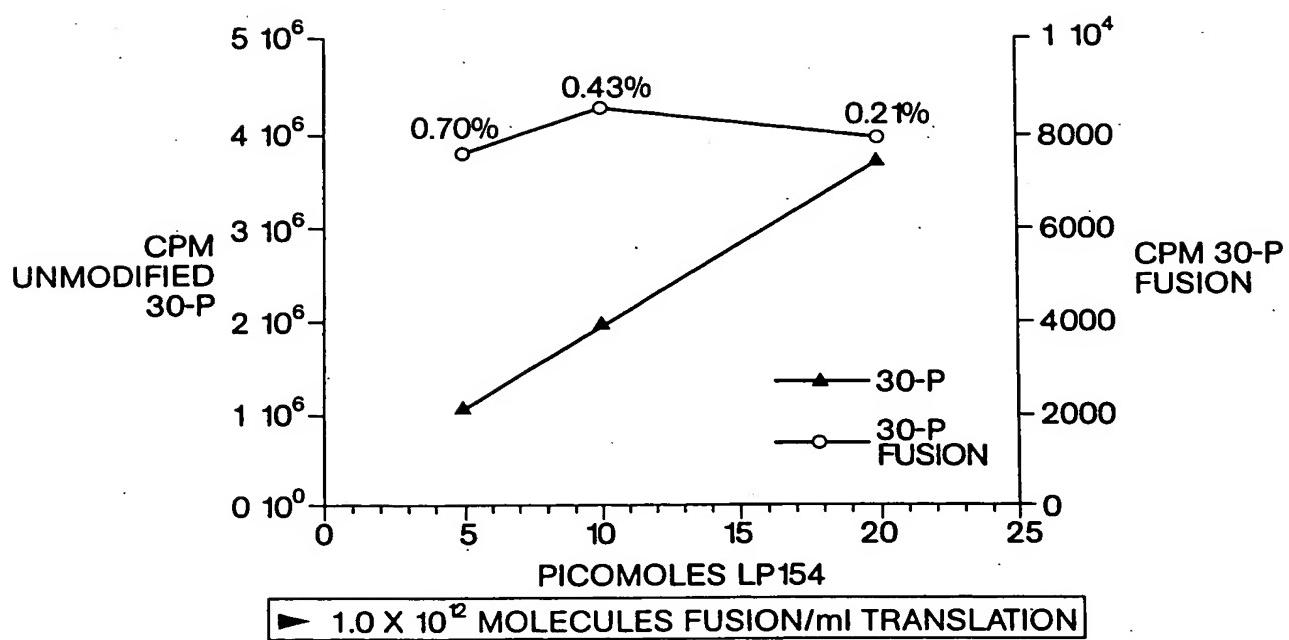


Fig. 12

13/20

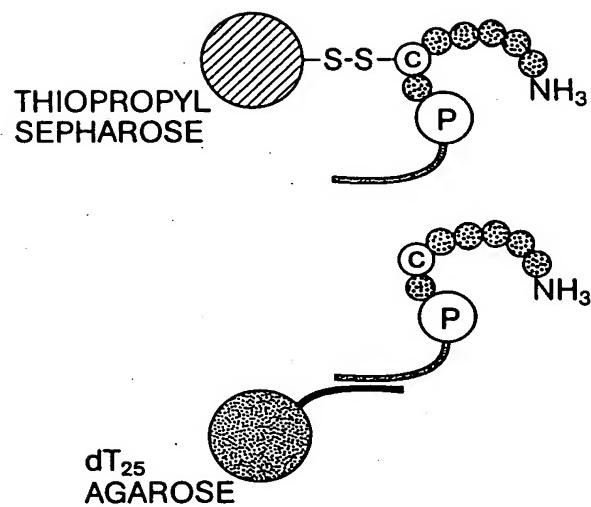


Fig. 13

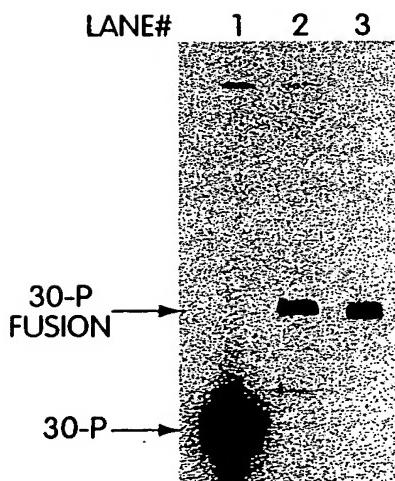


Fig. 14

14/20

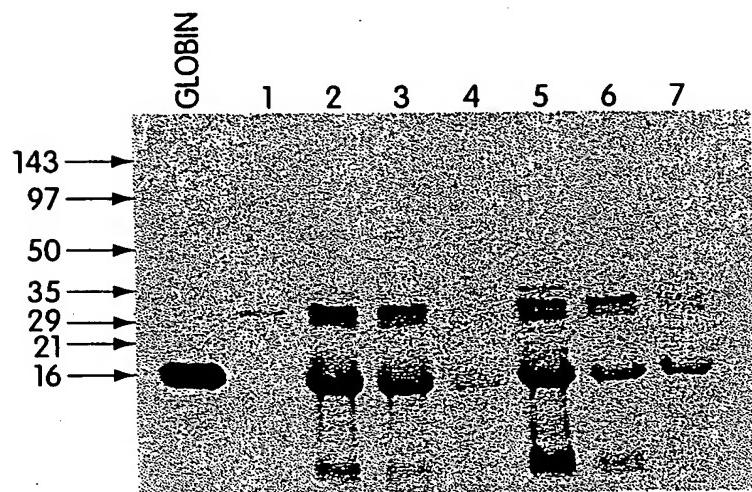


Fig. 15A

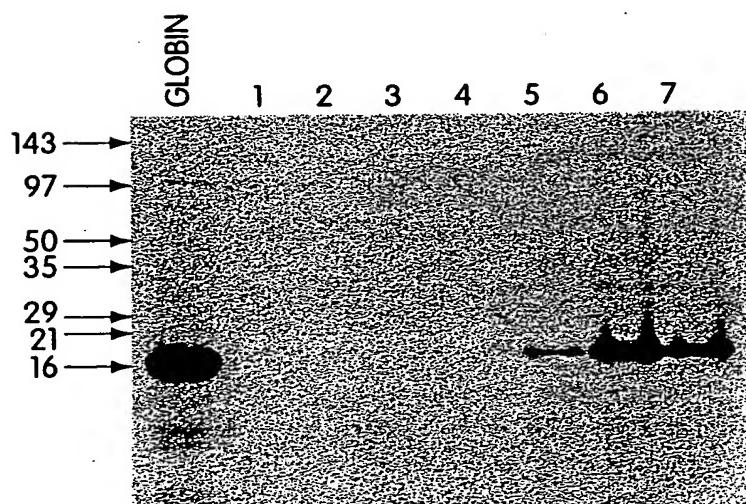


Fig. 15B

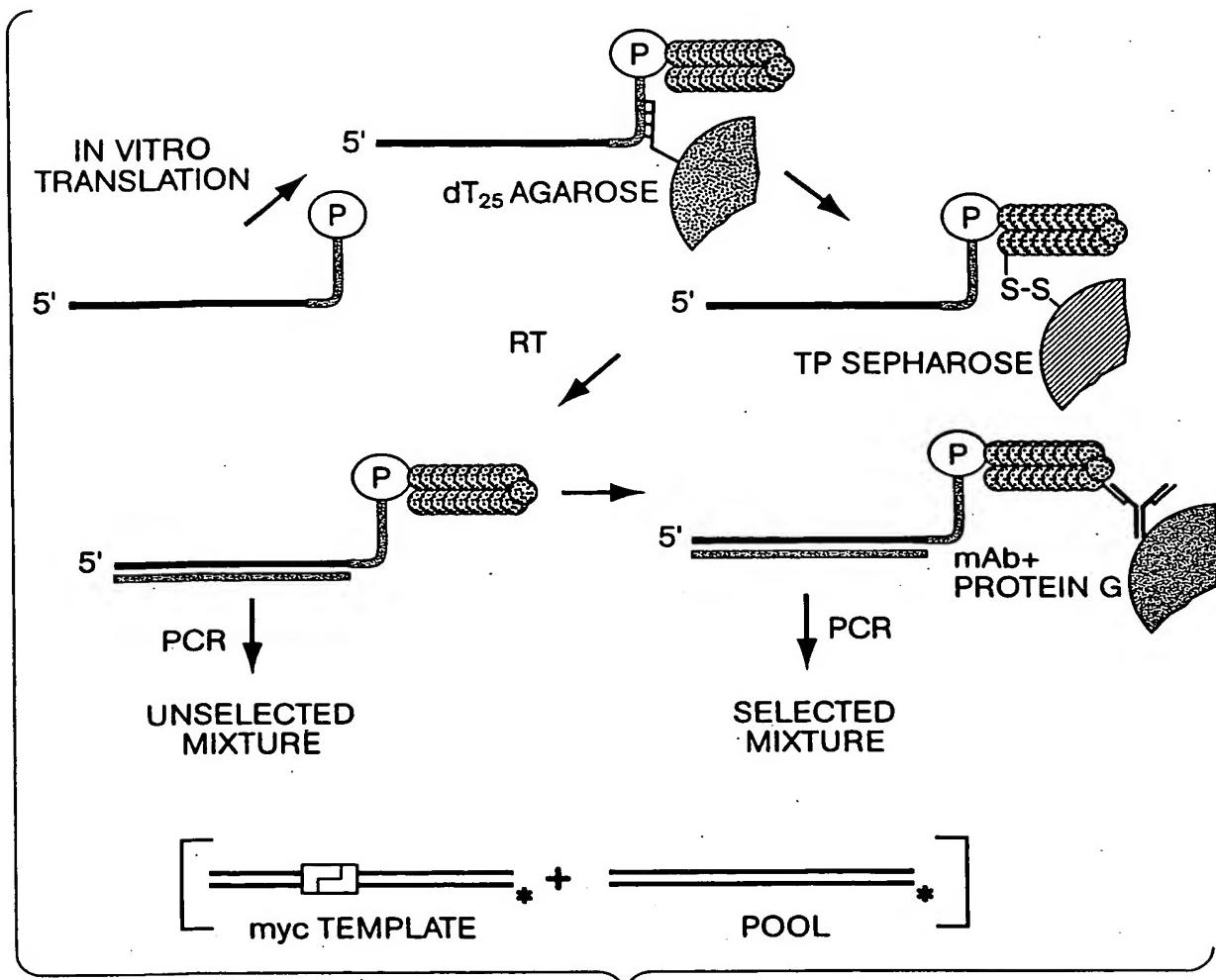


Fig. 16A

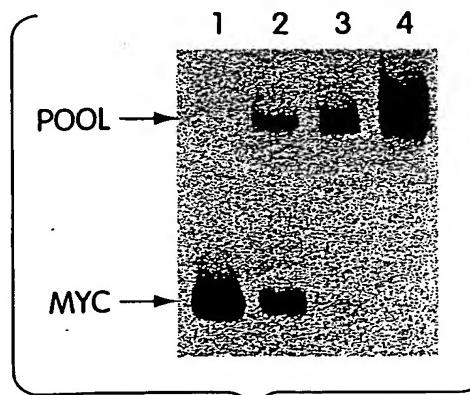


Fig. 16B

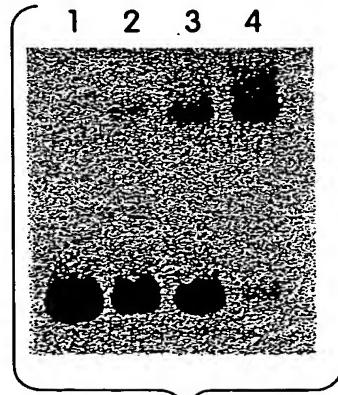


Fig. 16C

Title: SELECTION OF PROTEINS USING RNA-PROTEIN  
FUSION  
Applicant(s): Szostak et al.  
Filing Date: January 26, 2004 Serial No.: not yet assigned  
Page 16 of 20 Customer No.: 21559

16/20

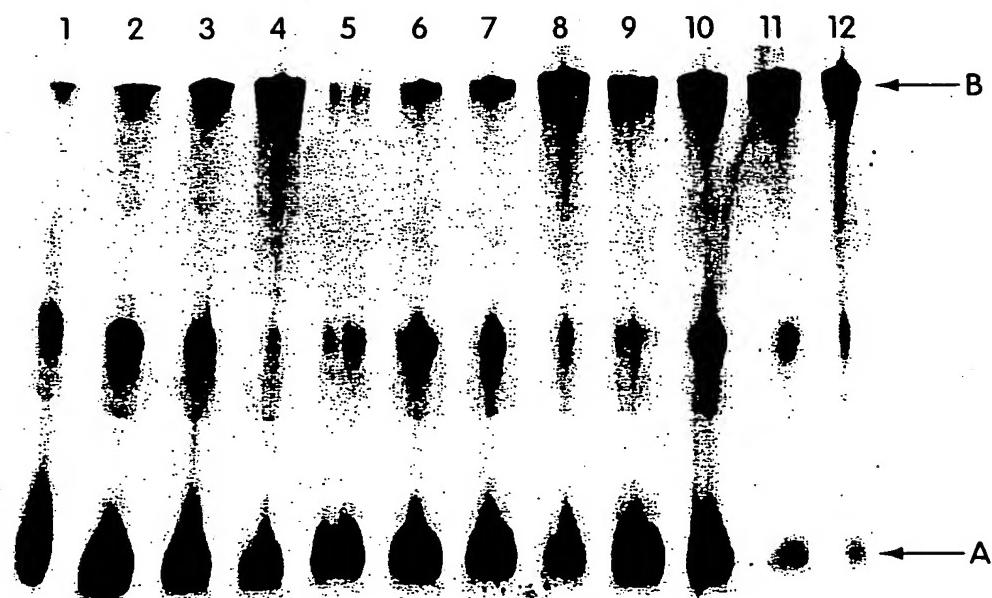


Fig. 17

17/20

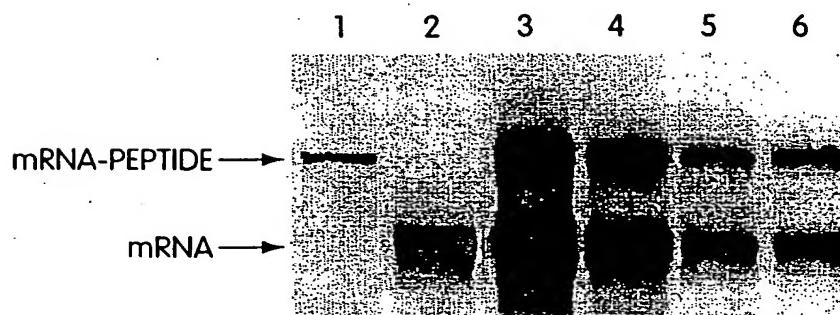


Fig. 18

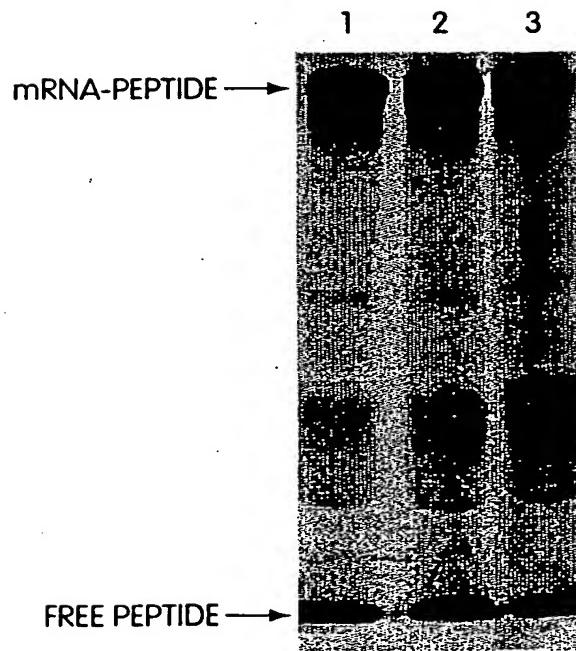


Fig. 19

18/20

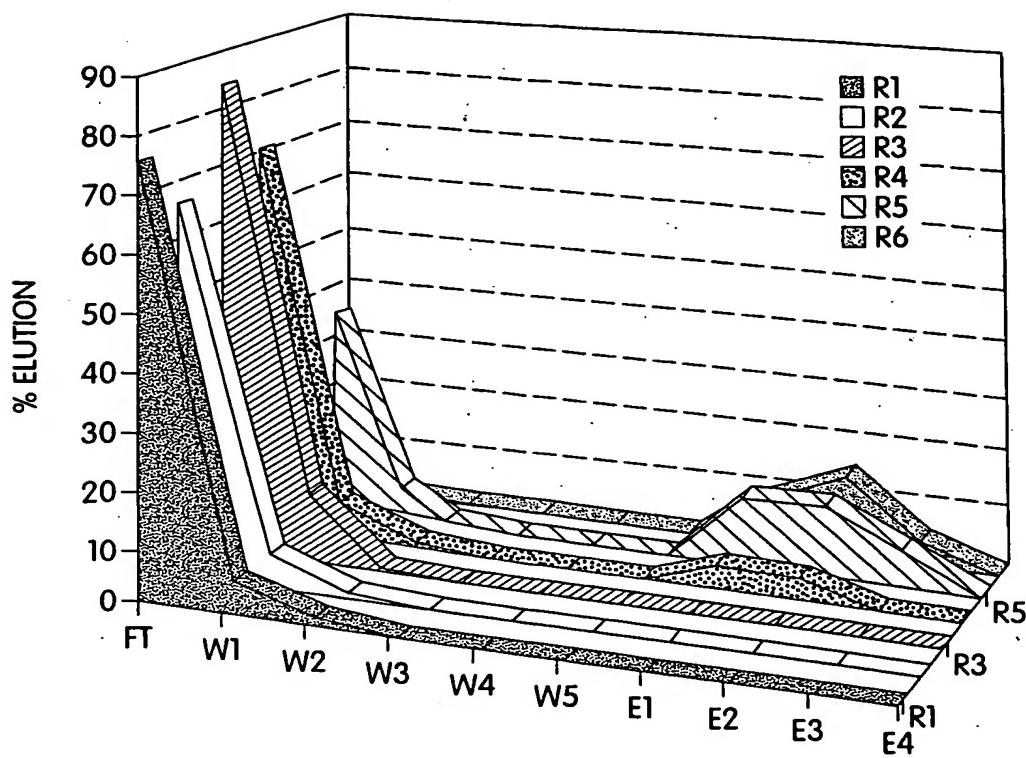


Fig. 20

19/20

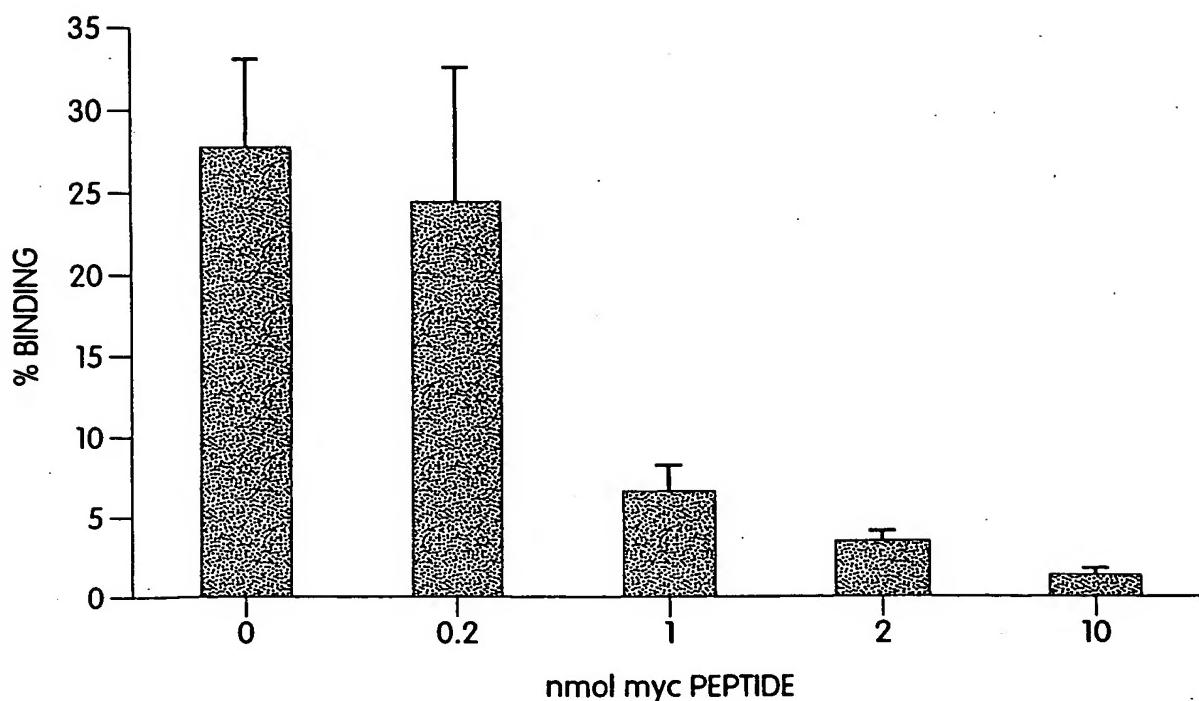


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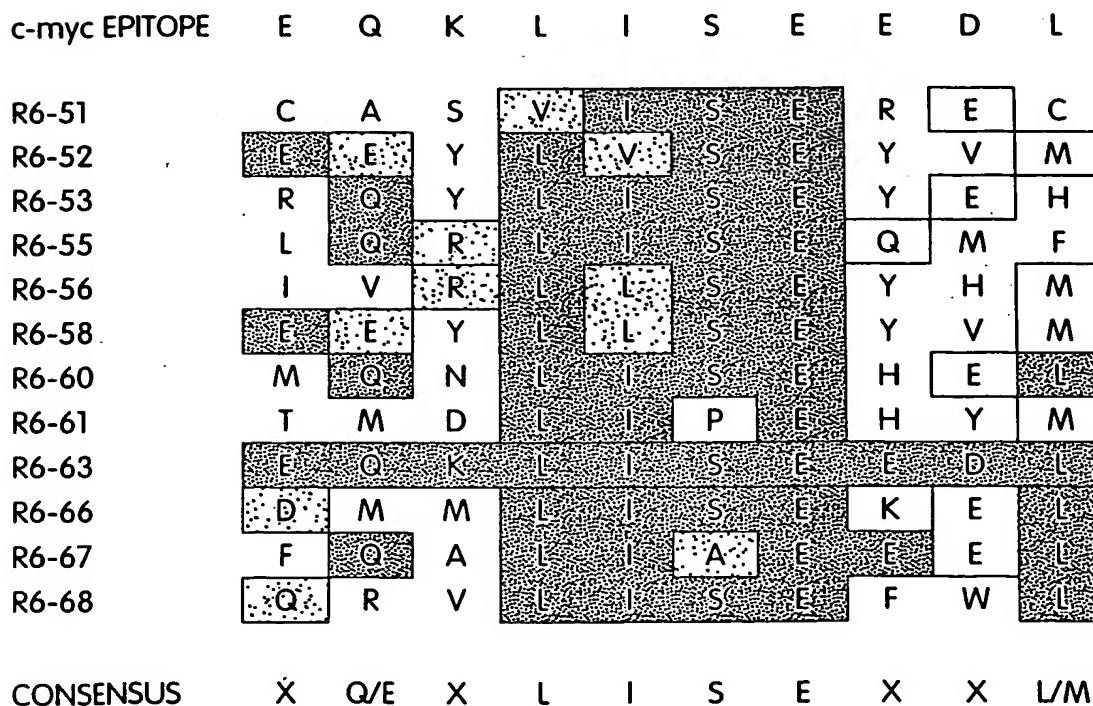


Fig. 22

20/20

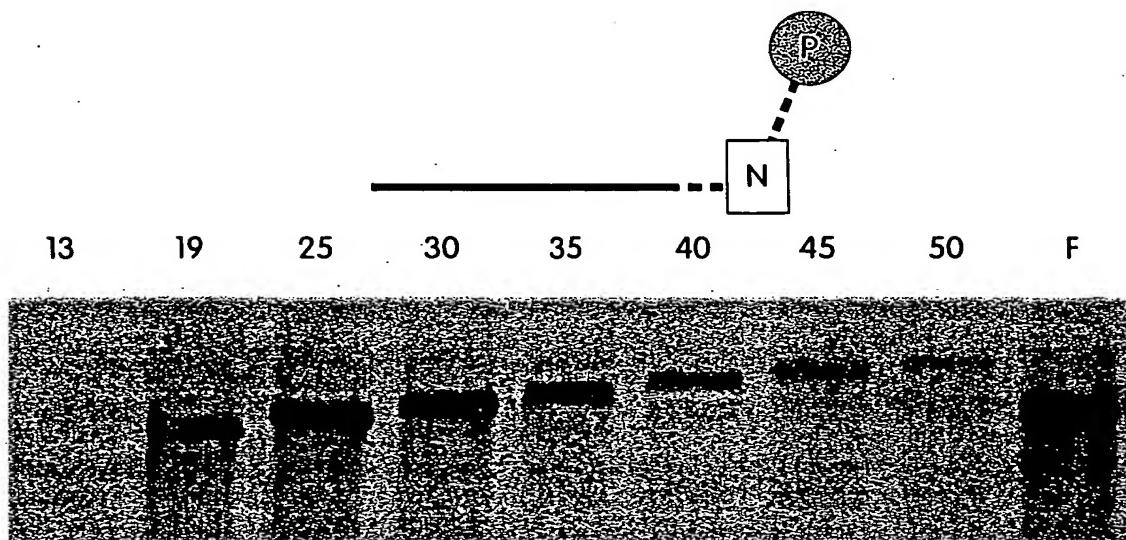


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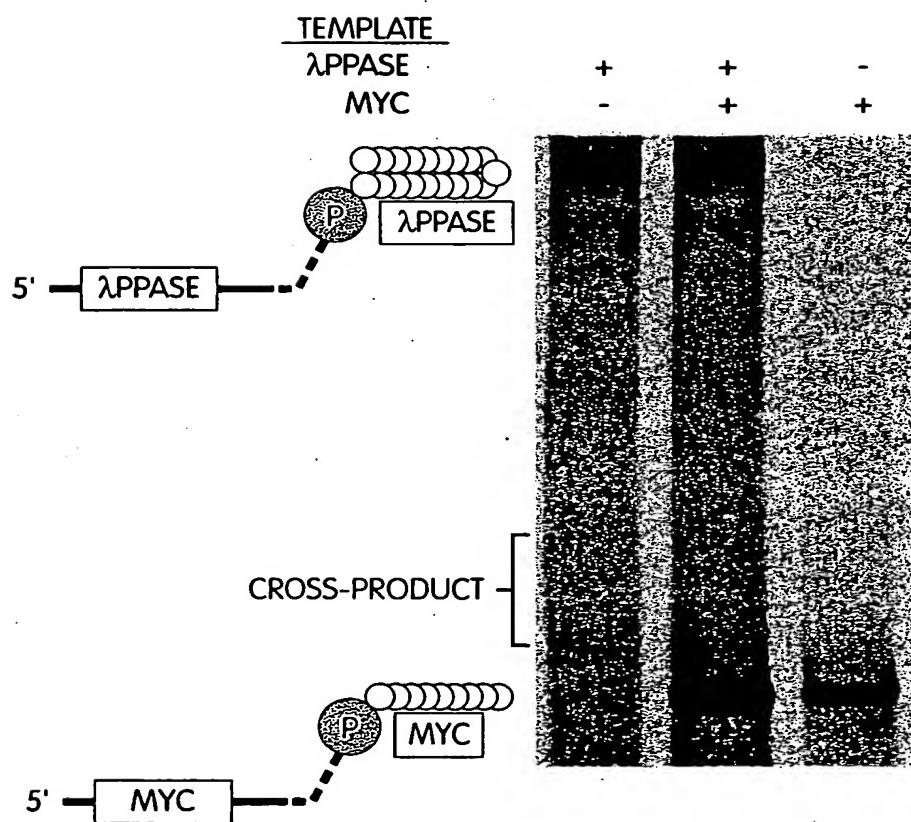


Fig. 24